

## Applied Skills Frequency Distribution

State: INDIANA

Grade: 4

### Purpose

This report provides a frequency of points obtained by Applied Skills items.



Test Date: 03/02/09

E/la	Points Poss	Total Number of Stdnts	0 Points Obtained N	%	1 Point Obtained N	%	2 Points Obtained N	%	3 Points Obtained N	%	4 Points Obtained N	%	5 Points Obtained N	%	6 Points Obtained N	%
Item # - Session #																
<b>Writing Applications</b>																
1a-1-Writing Applications	6	78319			2679	3	11684	15	27863	36	22213	28	7183	9	4643	6
<b>Lang. Conventions</b>																
1b-1-Lang. Conventions	4	78319			2527	3	10817	14	29185	37	34279	44				
<b>Nonfiction/Info Text</b>																
1-2-Nonfiction/Info Text	2	78319	24244	31	40235	51	12118	15								
2-2-Nonfiction/Info Text	2	78319	8711	11	40944	52	26950	34								
3-2-Nonfiction/Info Text		78319	*	*	*	*	*	*								

Math	Points Poss	Total Number of Stdnts	0 Points Obtained N	%	1 Point Obtained N	%	2 Points Obtained N	%	3 Points Obtained N	%	4 Points Obtained N	%	5 Points Obtained N	%	6 Points Obtained N	%
Item # - Session #																
<b>Geometry</b>																
1a-1-Geometry	2	78319	29187	37	3041	4	44514	57								
<b>Problem Solving</b>																
1b-1-Problem Solving	2	78319	44722	57	19863	25	12157	16								
2b-1-Problem Solving	2	78319	39419	50	18376	23	19210	25								
3b-1-Problem Solving	2	78319	61555	79	5737	7	9478	12								
<b>Computation</b>																
2a-1-Computation		78319	*	*	*	*	*	*								
<b>Measurement</b>																
3a-1-Measurement	2	78319	37786	48	10010	13	28974	37								

Science	Points Poss	Total Number of Stdnts	0 Points Obtained N	%	1 Point Obtained N	%	2 Points Obtained N	%	3 Points Obtained N	%	4 Points Obtained N	%	5 Points Obtained N	%	6 Points Obtained N	%
Item # - Session #																
<b>The Mathematical World</b>																
1-1-The Mathematical World	2	78319	35858	46	27542	35	13435	17								
<b>Scientific Thinking</b>																
2-1-Scientific Thinking	2	78319	24830	32	29395	38	22289	28								
<b>Nature of Sci. &amp; Tech</b>																
3-1-Nature of Sci & Tech	2	78319	36919	47	30830	39	8134	10								

\* Reading Comprehension is contained within this standard.

\* This item was not scored and student scores were not affected.

## A Message from Dr. Tony Bennett

Dear Teachers and Administrators,

Our number one priority at the Indiana Department of Education is to see the career preparation and academic achievement of all Indiana students become the best in the country and on par with the most globally competitive countries around the world. In order to do so, we must measure the progress of our students, our schools and our state as a whole.

We have no better measuring stick, perhaps, than the *ISTEP+* assessment. But more than simply telling us where we are, effective interpretation of the results should tell us where to go. The Individual Student Report provides information that helps parents understand their child's academic performance. The class, school and corporation summary reports give teachers and administrators data that should help them develop comprehensive plans to drive improvement. By providing us with an accurate gauge of individual students' strengths and areas of need, *ISTEP+* results help you determine how best to deliver education to your students in a manner befitting their needs and focused on the areas where they need the most attention.

If you have any questions, please don't hesitate to contact my office.

Sincerely,



Dr. Tony Bennett  
Superintendent of Public Instruction

### INDIANA ACADEMIC STANDARDS (CRITERION-REFERENCED INFORMATION)

**Criterion-referenced Test:** A test that reports students' scores relative to a body of information thought to be important to learn (see Indiana Academic Standards).

**Indiana Academic Standards:** The Indiana Academic Standards define three categories of student achievement in English/language arts, mathematics, and science (Pass+, Pass, and Did Not Pass). These levels were defined by the State Board of Education as follows:

Pass+	Meets the passing standard and demonstrates high achievement in the knowledge and skills of the content area.
Pass	Meets the passing standard.
Did Not Pass	Fails to meet the passing standard and in all likelihood will need remedial assistance.

**Indiana Scale Score:** Student achievement levels relative to the Indiana Academic Standards are reported by *ISTEP+* as scale scores in English/language arts, mathematics, and science. These three-digit, equal-interval scores are expressed on unique scales by content area.

**Indiana Performance Index (IPI) Score:** A measure of a student's mastery of the skills tested in a specific content area as defined by the Indiana Academic Standards.

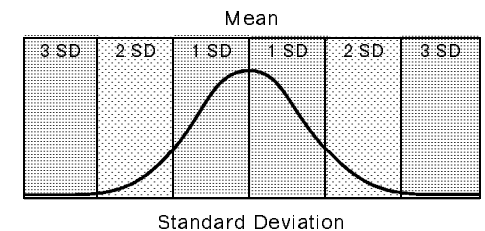
### SUMMARY INFORMATION

**Mean:** Perhaps the most often used "average," the mean is the arithmetic average of a group of scores. It is calculated by adding the scores and dividing the sum by the number of scores.

**Median:** The median is another often used "average." It is defined as the score below which half of the cases fall.

**Mean Scale Score:** The arithmetic average of the scale scores obtained by a group of students.

**Standard Deviation (SD):** A statistic that indicates the amount of variability in a group of scores. When scores are normally distributed (i.e., when they are part of a bell-shaped, "normal" curve), about two-thirds of the scores are within one SD above and below the average (mean) score and about 95% of the scores are within 2 SDs of the mean. In almost any shaped distribution, all scores will be within 5 SDs above or below the mean score.



## Applied Skills Frequency Distribution

State: INDIANA

Grade: 4

### Purpose

This report provides a frequency of condition codes obtained by Applied Skills items.



Test Date: 03/02/09

E/la	Total Number of Students	Condition Code A Blank Response N %	Condition Code B Illegible N %	Condition Code C Non - English N %	Condition Code D Insufficient N %	Condition Code E Off Topic N %	Invalid / Omitted Test N %
Item # - Session #							
<b>Writing Applications</b>							
1a-1-Writing Applications	78319	0 0	10 0	5 0	22 0	543 1	1474 2
<b>Lang. Conventions</b>							
1b-1-Lang. Conventions	78319	0 0	10 0	5 0	22 0		1474 2
<b>Nonfiction/Info Text</b>							
1-2-Nonfiction/Info Text	78319	187 0	11 0	1 0	25 0	24 0	1474 2
2-2-Nonfiction/Info Text	78319	188 0	9 0	0 0	22 0	21 0	1474 2
3-2-Nonfiction/Info Text	78319	* *	* *	* *	* *	* *	* *

Math	Total Number of Students	Condition Code A Blank Response N %	Condition Code B Illegible N %	Condition Code C Non - English N %	Condition Code D Insufficient N %	Invalid / Omitted Test N %
Item # - Session #						
<b>Geometry</b>						
1a-1-Geometry	78319	449 1	2 0	3 0	0 0	1123 1
<b>Problem Solving</b>						
1b-1-Problem Solving	78319	449 1	2 0	3 0	0 0	1123 1
2b-1-Problem Solving	78319	186 0	5 0	0 0	0 0	1123 1
3b-1-Problem Solving	78319	409 1	17 0	0 0	0 0	1123 1
<b>Computation</b>						
2a-1-Computation	78319	* *	* *	* *	* *	* *
<b>Measurement</b>						
3a-1-Measurement	78319	409 1	17 0	0 0	0 0	1123 1

Science	Total Number of Students	Condition Code A Blank Response N %	Condition Code B Illegible N %	Condition Code C Non - English N %	Condition Code D Insufficient N %	Condition Code E Off Topic N %	Invalid / Omitted Test N %
Item # - Session #							
<b>The Mathematical World</b>							
1-1-The Mathematical World	78319	94 0	26 0	3 0	2 0	9 0	1350 2
<b>Scientific Thinking</b>							
2-1-Scientific Thinking	78319	383 0	41 0	10 0	11 0	10 0	1350 2
<b>Nature of Sci. &amp; Tech</b>							
3-1-Nature of Sci & Tech	78319	842 1	153 0	12 0	38 0	41 0	1350 2

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